

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14. (Canceled)

15. (Original) An automatic image reading apparatus comprising a paper feeding apparatus wherein the paper feeding apparatus includes:

a document feeding tray for stacking documents;

a fixed guide disposed as a standard of position adjustment of the documents at one side of the document feeding tray so as to face in an orthogonal direction against a document transporting direction;

a pick-up roller disposed within the smallest document width of a plurality of transportable document sizes for picking and feeding the documents;

a separate roller disposed in the downstream of the pick-up roller and located within said smallest document width; and

a first feed roller disposed in the downstream of the separate roller,

wherein a distance between the fixed guide and a center of the first feed roller in terms of the orthogonal direction against the document transporting direction is longer than a distance between the fixed guide and a center of the separate roller in terms of the orthogonal direction against the document transporting direction.

16. (Original) The automatic image reading apparatus according to claim 15 further including a document reading unit, wherein the paper feeding apparatus further includes:

a retard roller contacting with the separate roller;

a second feed roller disposed in the downstream of the first feed roller for transporting the document fed by the pick-up roller, the separate roller and the first feed roller toward the document reading unit and transporting the read document to the downstream of the second feed roller;

a discharging roller disposed in the downstream of the second feed roller for discharging the document; and

a discharging tray for receiving the document discharged by the discharging roller,

wherein when one document is fed between the separate roller and the retard roller by the pick-up roller, the retard roller rotates in a direction of feeding the document toward the downstream in cooperation with the separate roller, and when at least two documents are fed between the separate roller and the retard roller by the pick-up roller, the retard roller reversely rotates in a direction of pushing back the document(s) of a retard roller side.

17. (Original) A facsimile apparatus comprising a paper feeding apparatus wherein the paper feeding apparatus includes:

a document feeding tray for stacking documents;

a fixed guide disposed as a standard of position adjustment of the documents at one side of the document feeding tray so as to face in an orthogonal direction against a document transporting direction;

a pick-up roller disposed within the smallest document width of a plurality of transportable document sizes for picking and feeding the documents;

a separate roller disposed in the downstream of the pick-up roller and located within said smallest document width; and

a first feed roller disposed in the downstream of the separate roller,

wherein a distance between the fixed guide and a center of the first feed roller in terms of the orthogonal direction against the document transporting direction is longer than a distance between the fixed guide and a center of the separate roller in terms of the orthogonal direction against the document transporting direction.

18. (Original) The facsimile apparatus according to claim 17 further including a document reading unit, wherein the paper feeding apparatus further includes:

a retard roller contacting with the separate roller;

a second feed roller disposed in the downstream of the first feed roller for transporting the document fed by the pick-up roller, the separate roller and the first feed roller toward the document reading unit and transporting the read document to the downstream of the second feed roller;

a discharging roller disposed in the downstream of the second feed roller for discharging the document; and

a discharging tray for receiving the document discharged by the discharging roller,

wherein when one document is fed between the separate roller and the retard roller by the pick-up roller, the retard roller rotates in a direction of feeding the document toward the downstream in cooperation with the separate roller, and when at least two documents are fed between the separate roller and the retard roller by the pick-up roller, the retard roller reversely rotates in a direction of pushing back the document(s) of a retard roller side.

19. (Original) A copying machine comprising a paper feeding apparatus wherein the paper feeding apparatus includes:

a document feeding tray for stacking documents;

a fixed guide disposed as a standard of position adjustment of the documents at one side of the document feeding tray so as to face in an orthogonal direction against a document transporting direction;

a pick-up roller disposed within the smallest document width of a plurality of transportable document sizes for picking and feeding the documents;

a separate roller disposed in the downstream of the pick-up roller and located within said smallest document width; and

a first feed roller disposed in the downstream of the separate roller,

wherein a distance between the fixed guide and a center of the first feed roller in terms of the orthogonal direction against the document transporting direction is longer than a distance between the fixed guide and a center of the

separate roller in terms of the orthogonal direction against the document transporting direction.

20. (Original) The copying machine according to claim 19 further including a document reading unit, wherein the paper feeding apparatus further includes:

a retard roller contacting with the separate roller;

a second feed roller disposed in the downstream of the first feed roller for transporting the document fed by the pick-up roller, the separate roller and the first feed roller toward the document reading unit and transporting the read document to the downstream of the second feed roller;

a discharging roller disposed in the downstream of the second feed roller for discharging the document; and

a discharging tray for receiving the document discharged by the discharging roller,

wherein when one document is fed between the separate roller and

the retard roller by the pick-up roller, the retard roller rotates in a direction of feeding the document toward the downstream in cooperation with the separate roller, and when at least two documents are fed between the separate roller and the retard roller by the pick-up roller, the retard roller reversely rotates in a direction of pushing back the document(s) of a retard roller side.